

# (34) METHOD FOR DRIVING LIQUID CRYSTAL CONTROL CIRCUIT AND LIQUID CRYSTAL PANEL

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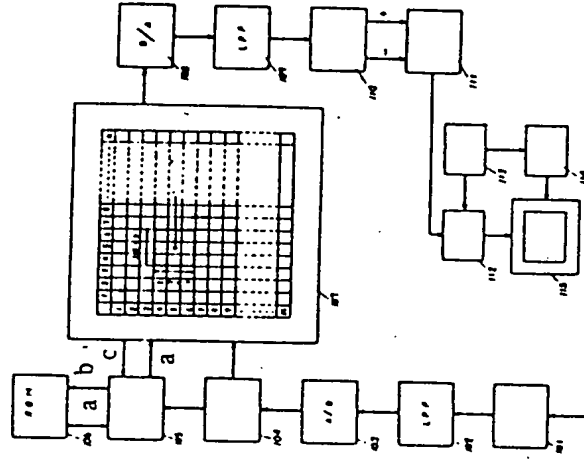
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**PURPOSE:** To allow dealing with the image display with a larger screen and higher resolution by providing a data correcting means which corrects at least one of the data of a field memory and a line memory by the output result of a digital data processing means.

**CONSTITUTION:** The 1st data corresponding to the voltage value to be impressed to a liquid crystal is stored in the field memory 107. The line memory 104 stores the 2nd data corresponding to the voltage to be impressed to the liquid crystals of at least  $\geq 1$  lines. The digital data processing means 105 computes plural data stored in the field memory 107 and the data stored in the line memory 104. The data correcting means 106 corrects at least one of the data of the field memory 107 and the line memory 104 by the output results of the processing means 105. The rising characteristic of the liquid crystal, i.e. the response time for attaining a target transmission quantity is shortened. The good video is thus obtd. without allowing the tailing of the image to appear. The dealing with the image display with the larger screen and the higher resolution is possible in this way.



101: gain control circuit, 106: ROM table, 110: phase driving circuit, 111: output switching circuit, 112: source driver IC, 113: driver control circuit, 114: gate driver IC, 115: liquid crystal panel, a: corrected data, b: calculated result, c: data

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